

## 2009 WHIP Permanent Wildlife Opening (645) Requirements

**Eligible lands:** Private agricultural land, private nonindustrial forestland, and tribal lands.

The practice purpose is to establish a permanent opening of primarily herbaceous vegetation and shrubs within woodland areas to provide food and cover benefits for early successional and upland wildlife species. Both forest openings (I.) and edge feathering (II.) are included in this WHIP practice.

### I. WHIP Forest Opening Practice Requirements:

1. Soil test required for all permanent herbaceous plants. (University of Tennessee or any certified NAPTP Lab). Areas of contrasting soils, problem spots or portions of fields significantly different should be sampled separately, provided the area can be fertilized separately. Examples: bottomland and upland. See University of Tennessee publication PB 1061 ([UT PB1061](#)) for soil sampling information. For NWSG, if pH is 5.0 or higher apply no lime; if lower apply 2 tons per acre, no nitrogen at planting, apply P2O5 and K2O as recommended in soil sample all other requirements must be met.
2. Lime and fertilizer are not required for trees, shrubs, or temporary cover. For permanent herbaceous cover, apply lime and fertilizer as required by soil test (University of Tennessee soil test recommendation).
3. Planted areas shall not be grazed by domestic livestock for the life of the agreement.
4. Native warm season grass stands may be harvested once per year beginning with the third growing season, and may only be harvested between July 1 and August 15.
5. Permanent Wildlife Openings shall be no less than 0.25 ac or more than 5.0 acres in size (limited to 1 ac per 10 ac).
6. Linear or block openings shall be a minimum of 50 feet wide. Circular openings shall have a minimum diameter of 120 feet.
7. The minimum acre of contiguous woodland to quality for forest openings is 10 acres.
8. Permanent wildlife openings are limited to slopes of 12 percent or less and nonwetland (NW) sites. Erosion must be controlled at all times.
9. Natural Regeneration is acceptable only on B slopes or flatter (5% or less).
10. Herbicides are to be used in accordance with the label for tame grass eradication or weeds or when the no-till planting method is used.

Planting recommendations for **Forest Openings** are given in the table below:

Temporary Cover – Winter		
Species	Amt/Ac	Seeding Dates
Crimson Clover (lbs)	20.0	Aug 1 – Oct 1
Winter Wheat (lbs)	1.5 – 2 bu	Sept 1 – Oct 20
Cereal Rye (lbs)	1.5 – 2 bu	Sept 1 – Oct 20
Wheat & Crimsom Clover (lbs)	1 bu; 10 lbs	Sept 1 – Oct 20
Rye & Crimson Clover (lbs)	1 bu; 10 lbs	Sept 1 – Oct 20
Temporary Cover – Summer		
Species	Amt/ac	Seeding Dates
Millet, White Proso (lb)	20.0	May 1 – July 1
Millet, Foxtail (lb)	20.0	May 1 – July 1
Buckwheat (lb)	30.0	May 1 – Aug 1
Corn (w/Eastern Gamagrass only)*	12,000-16,000 plants/ac = 1/7 bu	June 1
Moist Site Mixture		
Ladino Clover (lb)	4.0	Feb 20 – Apr 1
Alsike Clover (lb)	5.0	Aug 15 – Oct 1
Berseem Clover (temporary cover) (lb)	5.0	
Winter Wheat (temporary cover) (lb)	25.0	
Dry Site Mixture		
Red Clover (lb)	7.0	Feb 20 – Apr 1
Chicory (lb)	2.0	Aug 15 – Oct 1
Crimson Clover (temporary cover) (lb)	5.0	
Winter Wheat (temporary cover) (lb)	25.0	

Single Species Seeding		
Reseeding Soybean (Quailhaven) (lb)	20.0	Apr 15 – June 15
Kobe Lespedeza (lb)	20.0	Apr 15 – June 15
Korean Lespedeza	20.0	Apr 15 – June 15
Partridge Pea	12.0	Apr 15 – June 15
Eastern Gamagrass	10.0	Dec 1 – July 1
Natural Regeneration with Interseeding		
Species	Amt/ac	Seeding Dates
Kobe/Korean Lespedeza (lb)	20.0	Apr 15 – June 15
Eastern Gamagrass (lbs)*	10.0	Dec 1 – July 1
Warm Season Native Mix - Tall Mix for Deer/Turkey		
Species	Amt/ac	Seeding Dates
Big Bluestem** (lb)	1.0	Dec 1 – July 1
Indiangrass** (lb)	1.0	
Little Bluestem** (lb)		
Sideoats Grama** (lb) <u>and either:</u>	1.0	
Kobe/Korean Lespedeza (lb) <u>or</u> a	1.0	
single or mix of:	5.0	
1)Illinois Bundleflower (lb)		
2)Partridge Pea (lb)	1.0	
Warm Season Native Mix - Short Grass Mix for Quail/Rabbit		
Species	Amt/ac	Seeding Dates
Little Bluestem** (lb)	3.0	Dec 1 – July 1
Indiangrass** (lb)	0.5	
Sideoats Grama** (lb) <u>and either:</u>	1.0	
Kobe/Korean Lespedeza <u>or</u>	5.0	
a single or mix of:		
1) Illinois Bundleflower	1.0	
2) Partridge Pea		
Broadcast Planting Mix		
Species	Amt/ac	Seeding Dates
Switchgrass** (lb)	8.0	Apr 1 – July 1
Kobe/Korean Lespedeza (lb)	5.0	
Cool Season Legume Mix		
Species	Amt/ac	Seeding Dates
Ladino Clover (lb)	4.0	Feb 20 – Apr 1
Red Clover (lb)	5.0	Aug 15 – Oct 1
Winter Wheat (temporary cover) (lb)	25.0	Aug 15 – Oct 1
Shrub/ Small Tree Establishment		
Species	Amt/ac	Seeding Dates
Spicebush	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Indigobush	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Wild Plum	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Chickasaw Plum	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Washington Hawthorne	680 plants (8'x8' spacing)	Nov 1 – Apr 1
American Beautyberry	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Chokeberry	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Flowering Dogwood	302 plants (12'x12' spacing)	Nov 1 – Apr 1
Crabapple	302 plants (12'x12' spacing)	Nov 1 – Apr 1
Pines (loblolly, White, Virginia)	302 plants (12'x12' spacing)	Nov 1 – Apr 1
Persimmon	302 plants (12'x12' spacing)	Nov 1 – Apr 1
Apple – bare root (maximum 0.25 ac)	302 plants (12'x12' spacing)	Nov 1 – Apr 1

\* For temporary cover of corn with eastern gamagrass, plant no-till corn at a 45 degree angle to the eastern gamagrass rows. Plant 10 lbs eastern gamagrass per acre about April 1. Apply atrazine (following label recommendations) for corn. Plant early maturing corn about June 1 at rate of 12,000-16,000 plants per acre (1/7 bu). Harvest corn as early as possible.

\*\* PLS = Pure Live Seed

**II. WHIP Edge Feathering Practice Requirements:**

1. Woodland edge will be opened up to increase sunlight reaching forest floor. Minimum width shall be 50 feet. Maximum width shall be 120 feet.
2. The site shall be immediately adjacent to a field or road.
3. Natural regeneration is acceptable on all slopes; however, erosion must be controlled at all times.
4. The Edge Feathering area will be divided into three zones. Each zone will be approximately 33 percent of the total width.
  - Zone A will be nearest a field edge or road. The area should be thinned with 75 percent of the vegetation removed.
  - Zone B will have 50 percent of the total vegetation removed.
  - Zone C will have 25 percent of the total vegetation removed. There should be no defined edge between Zone C and the existing woodland.
  - All Zones: Stumps of undesirable species must be treated with an approved herbicide to prevent re-sprouting. Native desirable species such as dogwood and plum should be left undamaged. Sod forming grasses such as tall fescue and Bermuda-grass should be eradicated by herbicides prior to beginning the Edge Feathering practice.
5. All herbicides must be applied in accordance with label recommendations.